

# PRINTER RUSH

(PTO ASSISTANCE)

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09/832626

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McIntosh

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<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

## [RUSH] MESSAGE:

① The declaration identifies the inventors by family name only. At least one full given name without abbreviation (e.g., initials) is required per 37 CFR 1.63(a)(2). Please advise.

Thanks

## [XRUSH] RESPONSE:

See attached.

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INITIALS:

KAT

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

Application Serial No.: 09/832,626  
Docket No.: 294-52 CIP/RCE (0245)

DATE: August 17, 2005

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NUMBER OF PAGES TO FOLLOW: 1**CONFIDENTIALITY NOTICE**

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(12) **United States Patent**  
**Visser et al.**

(10) Patent No.: **US 6,551,827 B1**  
 (45) Date of Patent: **Apr. 22, 2003**

(54) **METHODS FOR PRODUCING AND TRANSFORMING CASSAVA PROTOPLASTS**

(75) Inventors: Richard Gerardus Franciscus Visser, Beekom (NL); Christiaan Josef Johannes Ruemakers, Arnhem (NL); Evert Jacobson, Wageningen (NL); Johanna Elisabeth Maria Bergervoet van Deelen, Renkum (NL)

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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 (2), (4) Date: Feb. 1, 1999

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(30) Foreign Application Priority Data

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(58) Field of Search ..... 800/284; 435/421, 435/430.1, 430, 420, 410

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(List continued on next page.)

Primary Examiner—Bruce R. Campbell

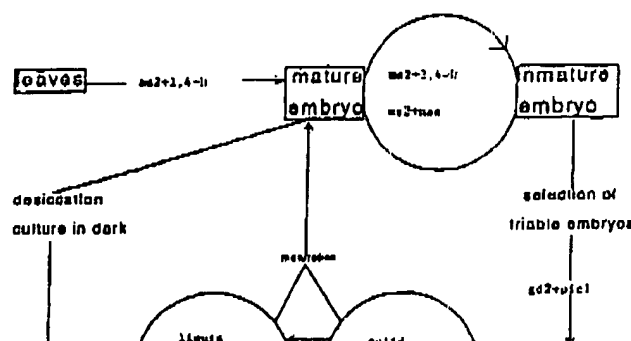
Assistant Examiner—Anne Marie Grunberg

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(57) **ABSTRACT**

The invention relates to a method for producing protoplasts of cassava or closely related species, which protoplasts are capable of regeneration into plants. The method comprises producing friable embryogenic callus from explants of cassava or closely related species and isolating protoplasts from said friable embryogenic callus. The invention also concerns protoplasts obtainable by said method. The invention further relates to a method for transforming such a protoplast of cassava or closely related species, and transformed protoplasts obtainable thereby. In addition, the invention concerns a method for regenerating plants from these protoplasts and a cassava plant or closely related species obtainable thereby.

9 Claims, 1 Drawing Sheet-





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## \*\* CONTINUING DATA \*\*\*\*\*

This application is a CIP of 09/180,481 02/01/1999 PAT 6,551,827

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

EUROPEAN PATENT OFFICE (EPO) 96201424.7 05/20/1996  
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35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
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## ADDRESS

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## TITLE

METHODS FOR PRODUCING AND TRANSFORMING CASSAVA PROTOPLASTS

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